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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/680,118	10/04/2000	Jon B. Avner	13768.173	7799

22913 7590 09/21/2004

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EXAMINER	
HAMILTON, MONPLAISIR G	

ART UNIT	PAPER NUMBER
2135	

DATE MAILED: 09/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/680,118	AVNER ET AL.	
	Examiner	Art Unit	
	Monplaisir G Hamilton	2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on 7/09/2004.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) 1-25 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) 1-25 is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 7/09/04 has been entered.

The communication filed on 7/09/04 amended Claims 1, 18 and 19 and cancelled Claim 26. Claims 1-25 remain for examination.

Response to Arguments

2. Applicant's arguments with respect to claims 1-25 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-25 are rejected under 35 U.S.C. 102(b) as being anticipated by US 5297249 (Bernstein).

Referring to Claims 1 and 19:

Bernstein discloses in a database management system that includes a database engine that receives and implements high-level document commands, each high-level document command comprising one or more operations to be performed on a document (col 11, lines 15-30), a method for allowing client applications to control how a particular high-level document command is implemented, the method comprising the following:

an act of receiving a high-level document command meeting certain criteria (col 15, lines 30-50);

prior to implementing the high-level document command, an act of identifying one or more client applications that are to be notified of the receipt of the-only high-level document commands meeting certain criteria (col 11, lines 20-40);

prior to implementing the single high-level document command, an act of notifying the one or more identified client applications that the single high-level document command meeting

the certain criteria has been received, notification of the one or more client applications being triggered solely as a result of receiving the single high-level document command (col 15, lines 15-30);

an act of receiving modifying instructions from the one or more client applications on how to effect the implementation of the single high-level document command (col 15, lines 25-45); and

an act of altering the one or more operations included in the single high-level document command according to the modifying instruction (col 15, lines 35-47).

Referring to Claim 17:

Bernstein discloses a database management system that includes a database engine that accesses and updates objects in a database, the database engine receiving high-level document commands, each high-level document command for performing an operation on a document that is associated with a plurality of tables in the database (col 8, lines 55-65), a method for allowing client applications to control how a particular high-level document command is implemented in the database, the method comprising the following:

an act of receiving a high-level document command meeting certain criteria (col 1, lines 35-40; col 3, lines 5-20).

a step for allowing one or more client applications to affect how the received high-level document command is to be implemented, if at all, in the database (col 15, lines 40-50),

the step for allowing one or more client applications to affect how the received high level document command is to be implemented, including an act of identifying one or more client

applications that are to be notified of the receipt of only high-level document commands meeting certain criteria (col 11, lines 10-35), and an act of notifying the one or more identified client applications that a high-level document command meeting the certain criteria has been received prior to implementing the high-level document command (col 15, lines 15-45).

Referring to Claim 25:

Bernstein discloses a database management system for implementing high level document commands for performing an operation on a document, each document being associated with a plurality of tables in an underlying database, the database management system comprising (col 8, lines 50-65):

a database application that is configured to send high-level document commands (col 11, lines 10-25);

a notification component that is configured to send a notification to any identified client application when only given high-level document commands meeting certain criteria are received by the database management system (col 15, lines15-30), and prior to implementation of any of the high level document commands (col 15, lines 15-25);

an instruction receiver module that is configured to receive instructions from the notified third party application on how to implement the high-level document commands (col 15, lines 25-45); and

a database engine configured to follow the received instructions when implementing the high-level document commands (col 15, lines 30-42).

Referring to Claims 2 and 20:

Bernstein discloses the limitations as discussed in Claims 1 and 19 above. Bernstein further discloses, wherein the received instructions are for performing additional high-level document commands in addition to the received high-level document command (col 15, line 30-50).

Referring to Claims 3 and 21:

Bernstein discloses the limitations as discussed in Claims 2 and 20 above. Bernstein further discloses, wherein the additional high-level document commands and the received high-level document command are implemented atomically in the database (col 8, lines 60-65).

Referring to Claim 4:

Bernstein discloses the limitations as discussed in Claim 3 above. Bernstein further discloses, wherein the additional high-level document command and the received high-level document command are implemented atomically using a group operation (col 22, lines 5-30).

Referring to Claim 5:

Bernstein discloses the limitations as discussed in Claim 1 above. Bernstein further discloses, wherein the received instructions are for changing how the high-level document command is to be implemented in a database that is accessed by the database management system (col 15, lines 30-50).

Referring to Claim 6:

Bernstein discloses the limitations as discussed in Claim 1 above. Bernstein further discloses, wherein the received instructions are for preventing the high-level document command from being implemented at all (col 15, lines 30-50).

Referring to Claim 7:

Bernstein discloses the limitations as discussed in Claim 1 above. Bernstein further discloses wherein the high level document command is for performing an operation on an electronic mail message (col 10, lines 10-25).

Referring to Claim 8:

Bernstein discloses the limitations as discussed in Claim 1 above. Bernstein further discloses wherein the high level document command is for performing an operation on a folder that contains electronic mail messages (col 9, line 55-col 10, line 15).

Referring to Claim 9:

Bernstein discloses the limitations as discussed in Claim 1 above. Bernstein further discloses, wherein the high-level document command is for moving the document (col 12, lines 35-40).

Referring to Claim 10:

Bernstein discloses the limitations as discussed in Claim 1 above. Bernstein further discloses, wherein the high-level document command is for deleting the document (col 12, lines 35-40).

Referring to Claim 11:

Bernstein in view of Beizer discloses the limitations as discussed in Claim 1 above. Bernstein further discloses, wherein the high-level document command is for copying the document (col 14, lines 1-20).

Referring to Claim 12:

Bernstein discloses the limitations as discussed in Claim 1 above. Bredenberg further discloses, wherein the high-level document command is for updating the document (col 14, lines 1-20).

Referring to Claim 13:

Bernstein discloses the limitations as discussed in Claim 1 above. Bernstein further discloses, wherein the high-level document command is for adding the document (col 14, lines 1-20).

Referring to Claims 14 and 22:

Bernstein discloses the limitations as discussed in Claims 1 and 19 above. Bernstein further discloses, wherein the act of notifying the one or more identified client applications comprises an act of transmitting a message to a machine that hosts the client application, the machine that host the client application being different than the machine that hosts the database management system (col 15, lines 20-35; col 8, lines 60-65 and Fig. 3-5).

Referring to Claims 15 and 23:

Bernstein discloses the limitations as discussed in Claims 1 and 19 above. Bernstein further discloses, wherein the act of notifying the one or more identified client applications comprises an act of passing the notification through a function call to the identified client application, the client application hosted by the same machine as at least the portion of the database management system responsible for performing the act of notifying the client applications (col 15, lines 20-35).

Referring to Claim 16:

Bernstein discloses the limitations as discussed in Claim 1 above. Bernstein further discloses, wherein the act of receiving instructions from the one or more client applications occurs prior to the act of receiving the high-level document command (col 15, lines 20-45).

Referring to Claim 18:

Bredenberg in view of Beizer discloses the limitations as discussed in Claim 17 above. Beizer further discloses, wherein the step for allowing one or more client applications to affect how the received high level document command is to be implemented further includes:

an act of receiving instructions from the one or more client applications on how to affect the implementation of the high-level document command in the database; and an act of altering one or more operations included in the single high-level document command according to the received instructions when implementing the high-level document command (col 15, lines 20-50).

Referring to Claim 24:

Bernstein discloses the limitations as discussed in Claim 17 above. Bernstein further discloses, wherein the computer-readable media comprises one or more physical storage media (Fig. 2).

Prior Art

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 20030041057 issued to Hepner, Daniel W. et al. Hepner discloses a system and method, which monitor system attributes specified by a client and report the existence of a specified condition in such attributes to the client. A system and method allow a client to

specify a particular condition of a system attribute of which the client desires to be notified, and the

system and method derive data about the system attribute and notify the client upon detecting the existence of the specified condition. In a preferred embodiment, a reporting application receives a request from a client that specifies a query or view, which is used by the reporting application in deriving data and notifying the client of the existence of a specific condition of an attribute. The reporting application derives data about the system according to the specified query to determine if the specified condition exists, and upon determining that the condition exists, the reporting application notifies the requesting client. That is, by executing the specified query the reporting application can derive data about a system attribute to determine whether the specified condition exists. Thus, a request from the client can tailor the query of the system for the client's specific interests. Therefore, the client can specify the exact condition of an attribute in which the client is interested, which can be utterly idiosyncratic for the client, and the reporting application can derive data about the system and notify the client of the existence of a specified condition, such as a particular change in a system attribute.

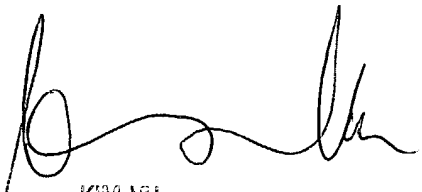
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Monplaisir G Hamilton whose telephone number is 1703-305-5116. The examiner can normally be reached on Monday - Friday (8:00 am - 4:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y Vu can be reached on 1703-305-4393. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 1703-305-3900.

Monplaisir Hamilton



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